

# RT4000

## ergonomical, ruggedized, powerful

horizontal display

all common terminal emulations

2.4GHz at 802.11b/g

integrated barcode scanner

Intel XScale Prozessor with 400 MHz

3,5 inch color display

Linux operating system

RS232 port

pistol grip (optional)

Ethernet (optional)



After many years of experience the RT4000 series was developed with the focus on a maximum of user acceptance and ergonomic handling. The weight of the unit – incl. battery, integrated barcode laser scanner and WLAN-module – amounts only 520g.

The ergonomical shape of the RT4000 device with the ENTER keys on both sides of the keyboard allows comfortable operation in all working environments. The numeric keyboard, the various function keys and the optional pistol grip are designed to offer an easy one-hand-operation for right and left handed users.

The combination of high-grade plastics together with the extraordinary rugged housing design makes the RT4000 not only withstand the tough environments of the industrial work, but also lets it survive these typical drops on concrete floor that sometimes are unavoidable in such kind of heavy work area.

Various optional integrated barcode laser scanners and the extensive accessory, such as the optional pistol grip, different battery chargers, a car docking station, or miscellaneous carrying solutions, increase the operation range of the RT4000 series and make your life in daily data collection much more comfortable.



M&N Solutions

# RT4000

## Display technology

The RT4000 series handheld terminal differentiates from other common products in the market also through its 90° tilted display. The horizontal mounted display gives the user the optimized view regarding readability, size and content of the necessary information. The arrangement of characters on the display with the original color attributes of the emulation generates the most advantageous contrast ratio. The menu-managed adjustment of different display modes is as obvious as the backlight function that can be adjusted by the timer function.

## Data transmission technology

The RT4000 data transmission terminals are equipped with 2.4GHz radio technology. Two 2.4GHz radio modules with IEEE802.11b or IEEE 802.11g are available. Data encryption with 128 Bit WEP, WPA-PSK, WPA2 and EAP-TTLS is supported. The common terminal emulations VT220, TN5250, TN3270 via a data transmission controller, like e.g. our MN-WH, are as realizable as the direct host communication or a client-server-connection by TCP/IP.

## Intelligent power management

The RT4000 series is operated with long-life LiION battery technology. Additionally the intelligent power management offers optimal operating times in all working environments.



## RT4000 specifications

### Dimensions

233 mm x 102 mm x 48 mm (L x W x D)

### Weight

520 g incl. battery, scanner and WLAN module

### Processor / Memory

Intel XScale PXA255 RISC Prozessor, 400MHz  
64 MB RAM / 32MB Flash-ROM

### Temperature

Operation temperature: -10° to +50° C  
Storage temperature: -30° to +70° C  
Humidity: 5 % to 95 % non condensing  
Water protection according to IP54

### Power

LiION battery with 2200mAh  
Back-Up battery  
approx. 8 to 10 hours operating time  
under 4 hours charging

### Operating system

Linux with emulationen

### Radio communication

2.4GHz at 802.11b/g

### Display

TFT color module with LED backlight  
320 x 240 pixel, diagonal 89 mm (3.5 inch), 64K colors

### Ports

RS232 (multifunctionport)  
Ethernet (multifunctionport)

### Laser-scanner-options

#### High Performance Normal Range Scanner

scan rate: 35 scans/s max. / barcode resolution: 5 – 55 Mil  
reading distance: 10 – 100 cm, dep. on Mil resolution of barcodes  
laser class: CDRH Class II / IEC Class 2

#### Long Range Scanner

scan rate: 35 scans/s max. / barcode resolution: 10 – 55 Mil  
reading distance: 20 – 180 cm, dep. on Mil resolution of barcodes  
laser class: CDRH Class II / IEC Class 2

### Input - Interface

keyboard ( 31 keys)  
integrated laser scanner

### Accessory

Car cradle (with charging function)  
Ethernet dock  
4-bay battery charger



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